

Investigation of Environmental Requirements and Regulations for Nuclear Thermal Propulsion Test

Completed Technology Project (2015 - 2016)



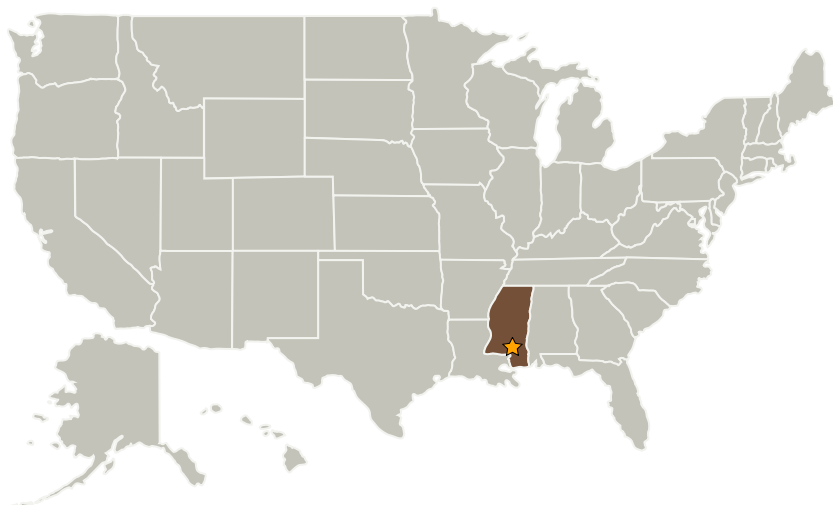
Project Introduction

This effort supports early identification of unfamiliar requirements for new propulsion ground testing opportunities at SSC and ensures NASA SSC is prepared to address these issues.

Anticipated Benefits

1) Research to determine what will be required to implement NTP at SSC: a) Identify existing DOE and NRC requirements applicable/relating to NTP ground testing; b) SSC specific impacts. 2) Develop a draft plan to accomplish requirements from item #1.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Stennis Space Center(SSC)	Lead Organization	NASA Center	Stennis Space Center, Mississippi

Primary U.S. Work Locations

Mississippi



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Project Website:

<https://www.nasa.gov/directorates/spacetech/home/index.html>

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Stennis Space Center (SSC)

Responsible Program:

Center Innovation Fund: SSC CIF

Project Management

Program Director:

Michael R Lapointe

Program Manager:

Ramona E Travis

Principal Investigator:

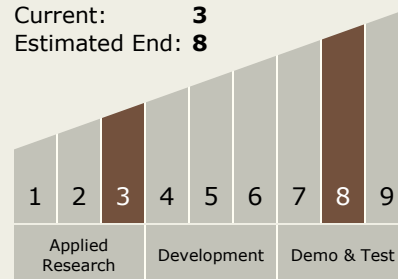
Carolyn D Kennedy

Technology Maturity (TRL)

Start: 3

Current: 3

Estimated End: 8



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Technology Areas

Primary:

- TX13 Ground, Test, and Surface Systems
 - └ TX13.2 Test and Qualification
 - └ TX13.2.7 Test Instruments and Sensors

Target Destination

Earth